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NOTICE OF ALLOWANCE AND FEE(S) DUE

24131

7590

11/02/2009

LERNER GREENBERG STEMER LLP P O BOX 2480 HOLLYWOOD, FL 33022-2480

EXAMINER				
VO, TUNG T				
ART UNIT	PAPER NUMBER			
2621				

DATE MAILED: 11/02/2009

APPLICATION NO.	FILING DATE			CONFIRMATION NO.
10/727.802	12/04/2003	Heiko Schwarz	S&ZFH030507	6860

10/727,802 12/04/2003 Heiko Schwarz S&ZFH030507 6

TITLE OF INVENTION: METHOD AND ARRANGEMENT FOR CODING TRANSFORM COEFFICIENTS IN PICTURE AND/OR VIDEO CODERS AND DECODERS AND A CORRESPONDING COMPUTER PROGRAM AND A CORRESPONDING COMPUTER-READABLE STORAGE MEDIUM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/02/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

maintenance fee notificat CURRENT CORRESPONDE	No Fe pa	ote: A certificate of e(s) Transmittal. Th pers. Each addition	mailin is certil il paper	g can only be used fo licate cannot be used for s, such as an assignme	correspondence address as rate "FEE ADDRESS" for r domestic mailings of the or any other accompanying nt or formal drawing, must		
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LERNER GRE P O BOX 2480 HOLLYWOOD,	ENBERG STEM FL 33022-2480	ER LLP	I h St ad tra	nereby certify that the ates Postal Service of dressed to the Mai	nis Fee(with suf l Stop	s) Transmittal is being ficient postage for firs ISSUE FEE address (1) 273-2885, on the definition of	deposited with the United t class mail in an envelope above, or being facsimile
							(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	R	ATTC	RNEY DOCKET NO.	CONFIRMATION NO.
10/727,802	12/04/2003		Heiko Schwarz		;	S&ZFH030507	6860
TITLE OF INVENTION AND DECODERS AND							
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0		\$1810	02/02/2010
EXAM	INER	ART UNIT	CLASS-SUBCLASS	7			
VO, TU	JNG T	2621	375-240020	_			
 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Custome Number is required. 			or agents OR, alterna (2) the name of a sin registered attorney of 2 registered patent at	1) the names of up to 3 registered patent attorneys r agents OR, alternatively, 2) the name of a single firm (having as a member a egistered attorney or agent) and the names of up to registered patent attorneys or agents. If no name is sted, no name will be printed.			
recordation as set forth (A) NAME OF ASSIC	ess an assignee is identi n in 37 CFR 3.11. Comp GNEE	ified below, no assignee bletion of this form is NO	data will appear on the T a substitute for filing a (B) RESIDENCE: (CIT	patent. If an assign n assignment. 'Y and STATE OR (COUNT	TRY)	ocument has been filed for
Please check the appropri	ate assignee category or	categories (will not be pr	rinted on the patent):	I Individual □ C	orporat	ion or other private gro	oup entity Government
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	s SMALL ENTITY statu	is. See 37 CFR 1.27.	b. Applicant is no lo				
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Authorized Signature				Date			
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This collection of informan application. Confident submitting the completed this form and/or suggestie Box 1450, Alexandria, V Alexandria, Virginia 223	iality is governed by 35 lapplication form to the ons for reducing this bur irginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th O NOT SEND FEES OR (on is required to obtain on 1.14. This collection is expending upon the induction office of the complete of th	retain a benefit by stimated to take 12 ividual case. Any co cer, U.S. Patent and IO THIS ADDRES	the pub minute: ommen Trader S. SEN	lic which is to file (and sto complete, including to on the amount of time that Office, U.S. Depart TO: Commissioner to	by the USPTO to process) g gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/727,802	12/04/2003	Heiko Schwarz	S&ZFH030507 6860			
24131 7.	590 11/02/2009		EXAMINER			
LERNER GREE	NBERG STEMER L	VO, T	JNG T			
P O BOX 2480			ART UNIT	PAPER NUMBER		
HOLLYWOOD, FL 33022-2480			2621			
			DATE MAILED: 11/02/2009			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 460 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 460 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/727,802	SCHWARZ ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Tung Vo	2621	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comr IGHTS. This application is and MPEP 1308.	in this application. If not included nunication will be mailed in due course. TH	
1. This communication is responsive to the amendment filed	<u>on 07/09/2009</u> .		
2. \boxtimes The allowed claim(s) is/are <u>24-44, 47-48</u> .			
 Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Application	ion No	e
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm	IENT of this application. itted. Note the attached Ex	(AMINER'S AMENDMENT or NOTICE OF	
INFORMAL PATENT APPLICATION (PTO-152) which give	es reason(s) why the oath	or declaration is deficient.	
5. CORRECTED DRAWINGS (as "replacement sheets") mus			
(a) ☐ including changes required by the Notice of Draftspers		ew (PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the state of the sheet.	s Amendment / Comment .84(c)) should be written on	the drawings in the front (not the back) of	
DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MA	ΓERIAL must be submitted. Note the	
Attachment(s)	5 Notice of	mfarmal Datant Application	
 Notice of References Cited (PTO-892) D Notice of Draftperson's Patent Drawing Review (PTO-948) 		nformal Patent Application Summary (PTO-413),	
 Information Disclosure Statements (PTO/SB/08), 	Paper No	o./Mail Date s Amendment/Comment	
Paper No./Mail Date <u>04/04/05; 01/31/05; 10/06/04</u> 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		s Statement of Reasons for Allowance	

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Kerry P. Sisselman on 09/29/2009.

The application has been amended as follows:

IN CLAIMS:

Claim 34, line 2, after "a computer readable" insert – storage --;

Claim 35, line 1, after "A computer readable" insert – storage --.

Allowable Subject Matter

- 1. Claims 24-44, 47, and 48 are allowed.
- 2. The following is an examiner's statement of reasons for allowance: The cited prior art does not particularly discloses a method for coding transform coefficients, the method being performed by a computer programmed to perform, wherein for blocks of (video) pictures containing transform coefficients being unequal to zero, a coding of transform coefficients takes place in such a way that, for each block, a significance map is coded, the significance map specifying the positions of transform coefficients being unequal to zero in the block in a scan order in a context-dependent way using contexts depending on the corresponding scan position of the transform coefficient considered, and subsequently, the values (levels) of the transform

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coefficients being unequal to zero are coded by, in a reverse scan order - starting with the last transform coefficient being unequal to zero within the block - binary arithmetically coding bins of a binarization of a magnitude of the transform coefficients being unequal to zero in a context-dependent way using contexts depending on how many transform coefficients having a magnitude of 1 have already been coded in the reverse scan order up to a respective currently coded transform coefficient, and how many transform coefficients having a magnitude of greater than 1 have already been coded in the reverse scan order up to the respective currently coded transform coefficient, with coding all bins of the binarization of the respective currently to be coded transform coefficient being unequal to zero before proceeding with coding the bins of the binarization of a - in the reverse scan order -succeeding transform coefficient being unequal to zero as specified in claims 24, 33-38, and 47-48.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tung Vo whose telephone number is 571-272-7340. The examiner can normally be reached on Monday-Wednesday, Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mehrdad Dastouri can be reached on 571-272-7418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Tung Vo/ Primary Examiner, Art Unit 2621